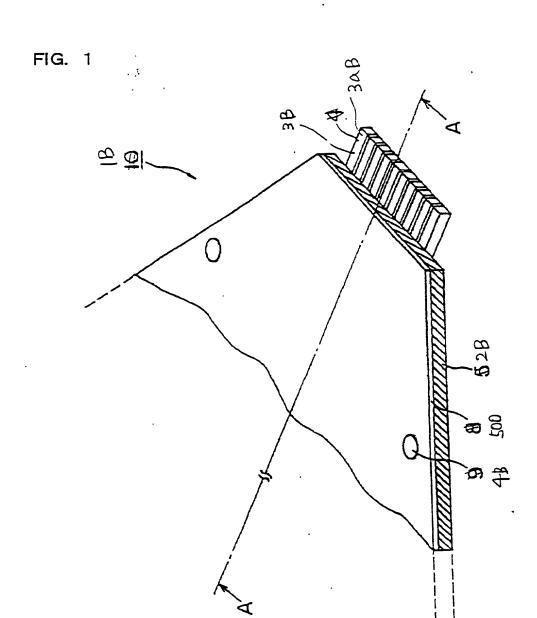
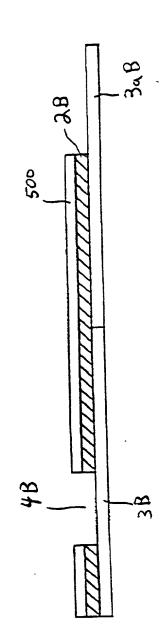
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 1_ OF_84_



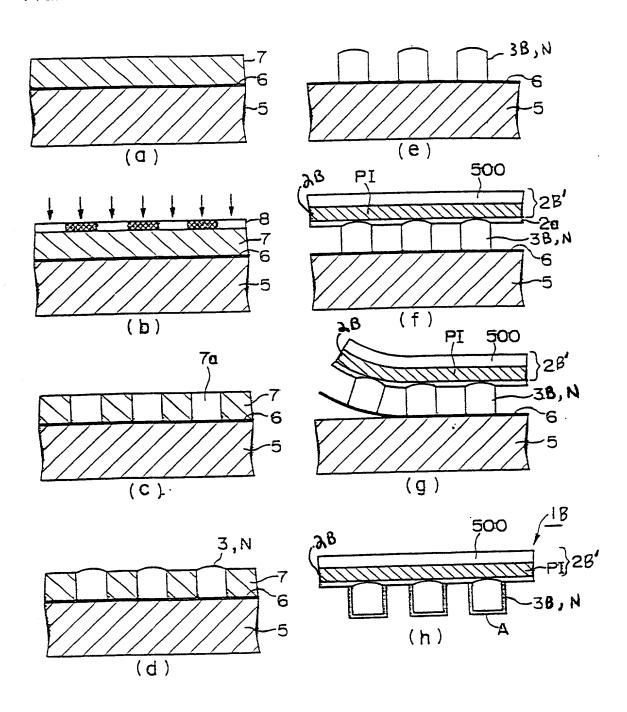
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>2</u> OF <u>84</u>

FIG. 2



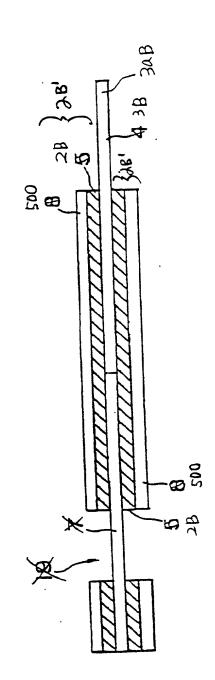
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 3_ OF_84_

FIG. 3



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 4 OF 84

FIG. 4



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>5</u> OF <u>84</u>

FIG. 5

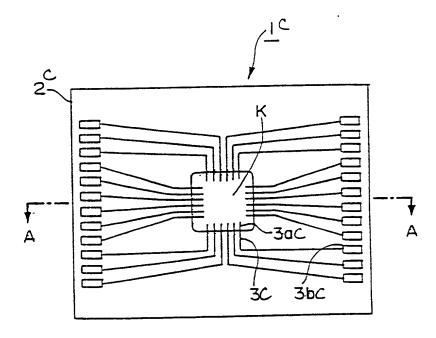
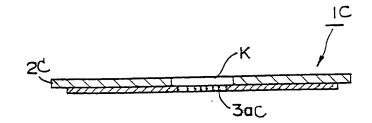
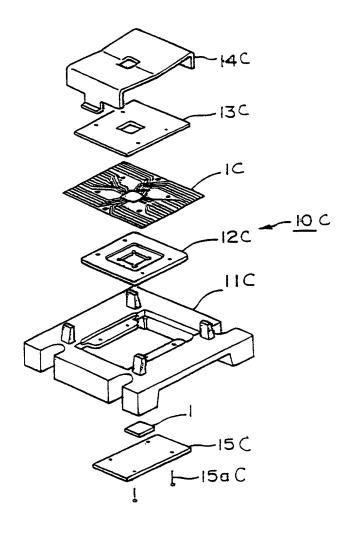


FIG. 6



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 6_ OF_84_

FIG. 7



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET _7_ OF__84____.

FIG. 8

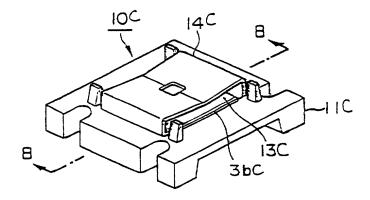
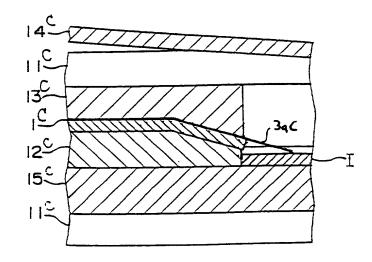
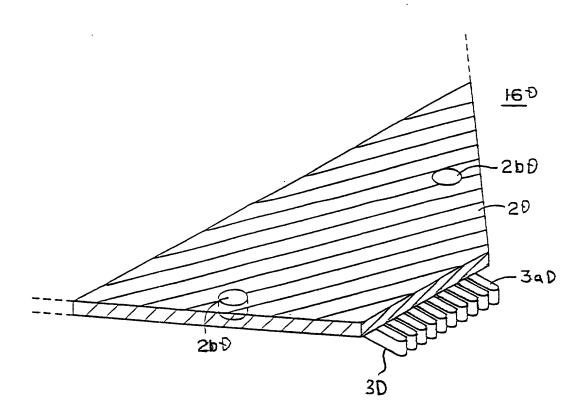


FIG. 9



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKLYOSHIDA ET AL SHEET 8 OF 84 :

FIG. 10



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 9_OF_84_

FIG. 11

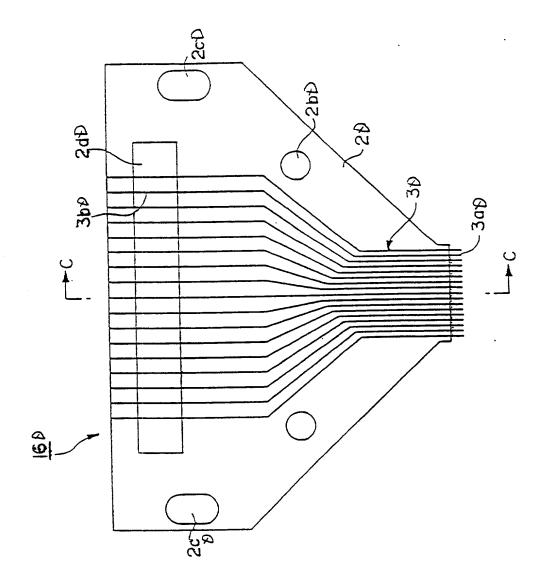
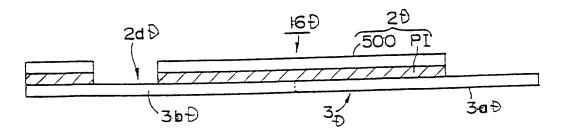
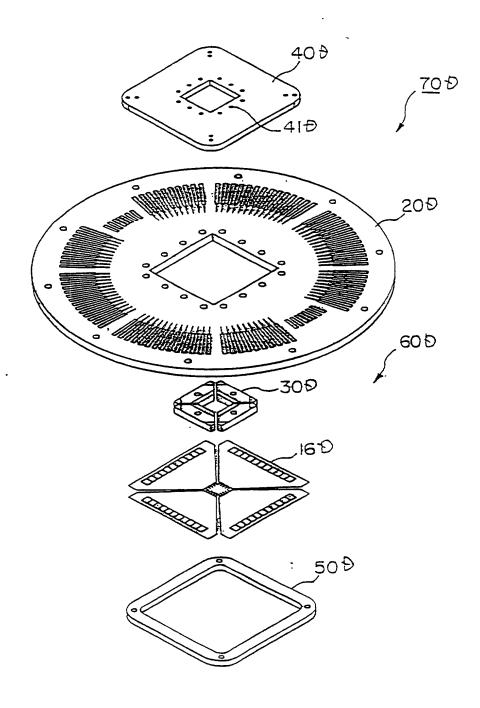


FIG. 12



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>10</u> OF <u>84</u>

FIG. 13

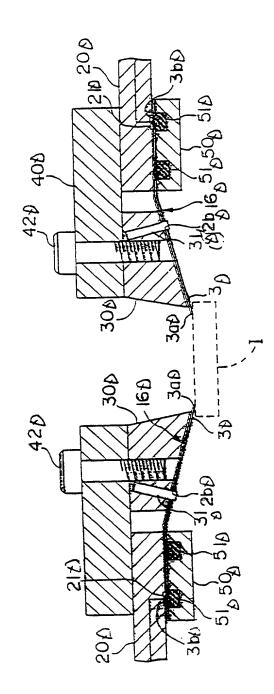


OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 11 OF 84

FIG. 14 70D 20B 306 ,60₀

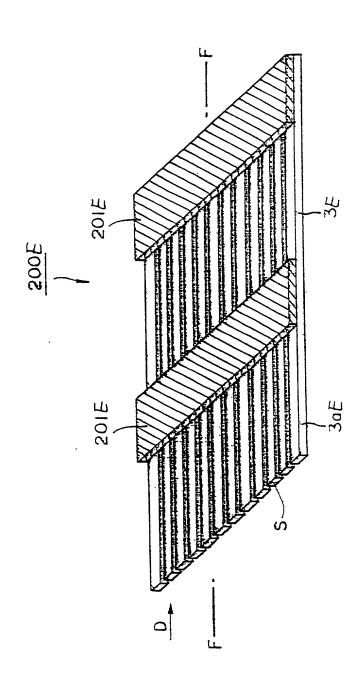
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>12</u> OF <u>84</u>

FIG. 15



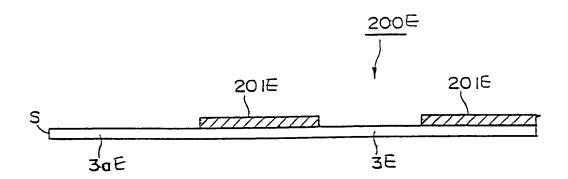
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>13</u> OF <u>84</u>

FIG. 16



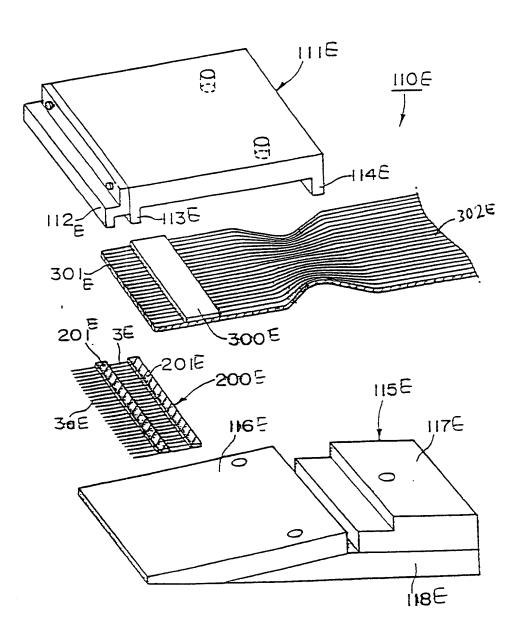
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>14</u> OF <u>84</u> :

FIG. 17



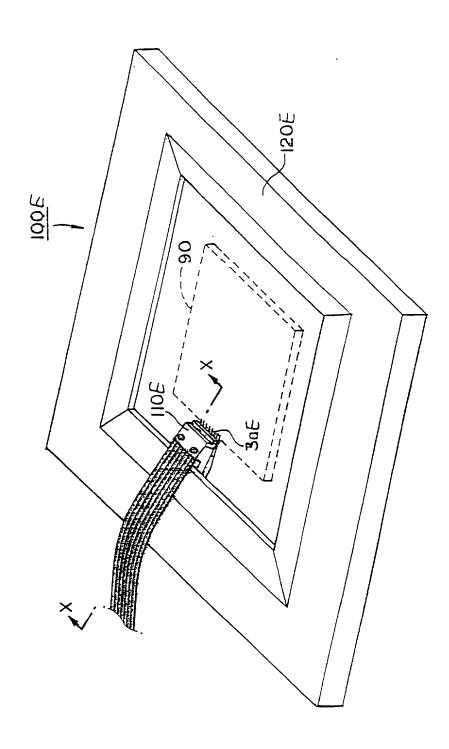
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET _15__ OF__84___ .

FIG. 18



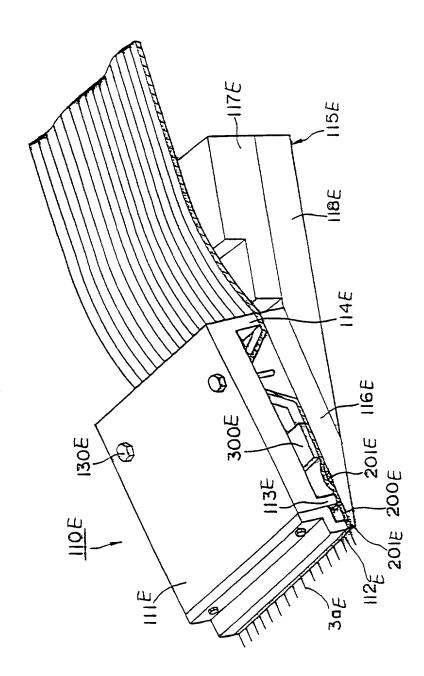
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 16_ OF_84____.

FIG. 19



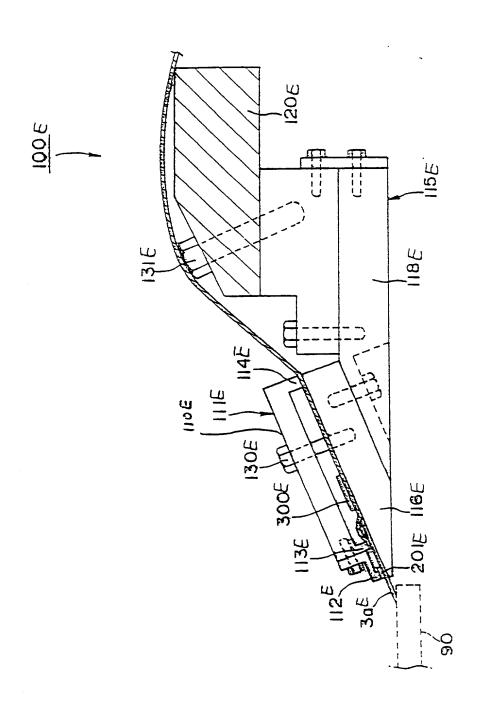
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>17</u> OF <u>84</u>

FIG. 20



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>18</u> OF <u>84</u>

FIG. 21



OBLON, SPIVAK, ET AL **DOCKET #: 219891US-2 DIV** INV: HIDEAKI YOSHIDA ET AL

SHEET <u>19</u> OF <u>84</u>

FIG. 22

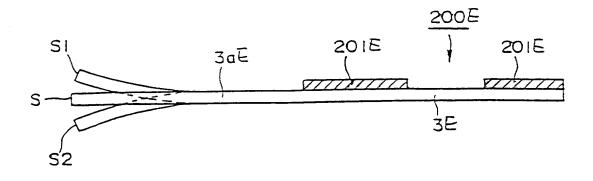
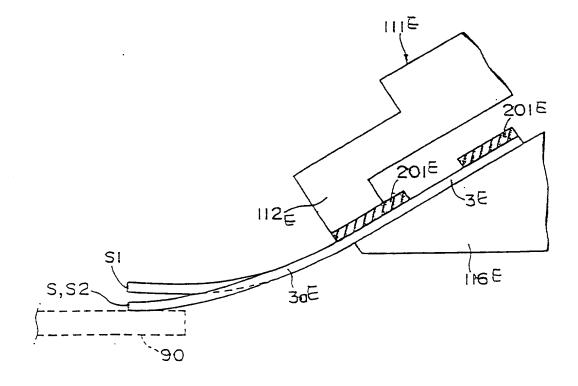


FIG. 23



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>20</u> OF<u>84</u>

FIG. 24

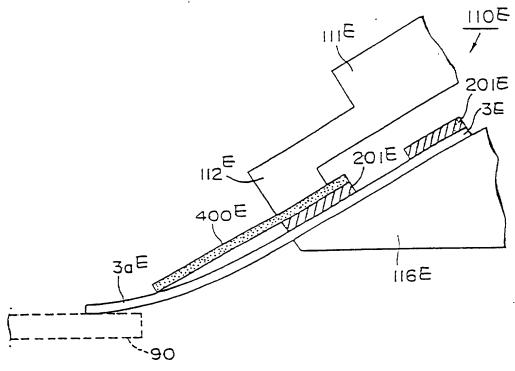


FIG. 25

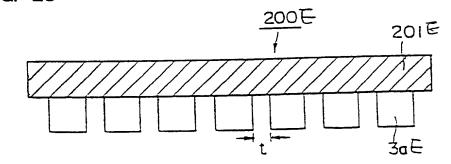
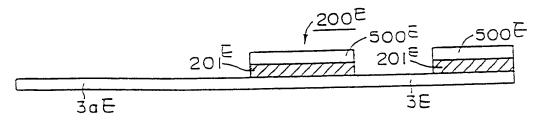


FIG. 26



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 21 OF 84

FIG. 27

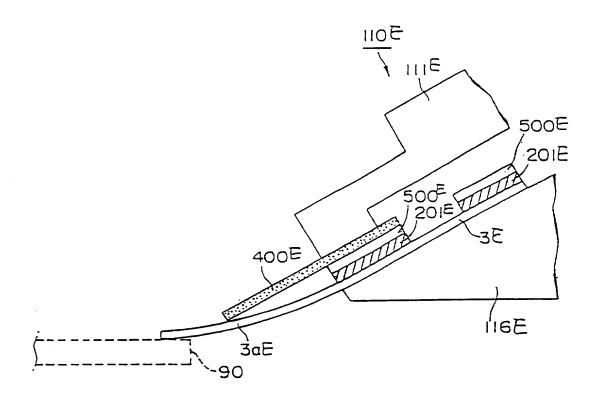
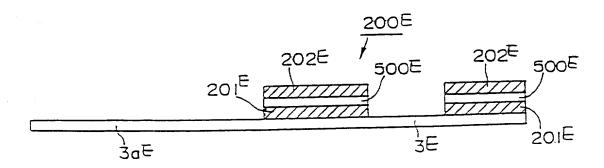


FIG. 28



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 22 OF 84

FIG. 29

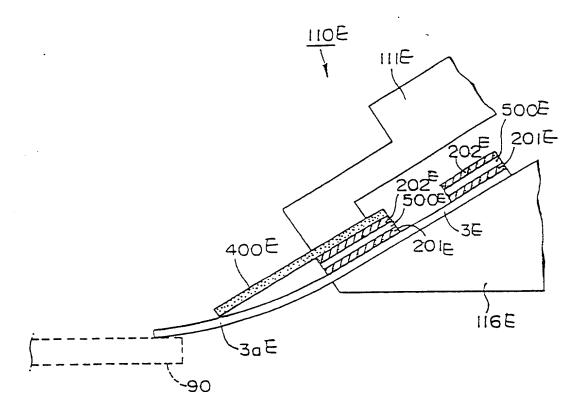
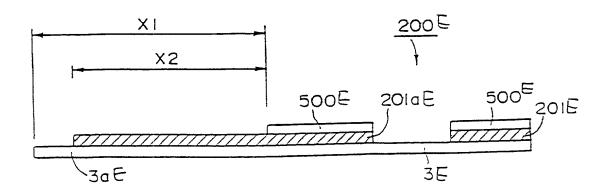


FIG. 30



OBLON, SPIVAK, ET AL **DOCKET #: 219891US-2 DIV** INV: HIDEAKI YOSHIDA ET AL

SHEET 23 OF 84

FIG. 31

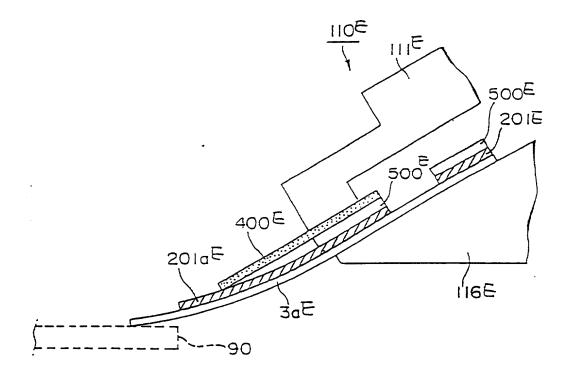
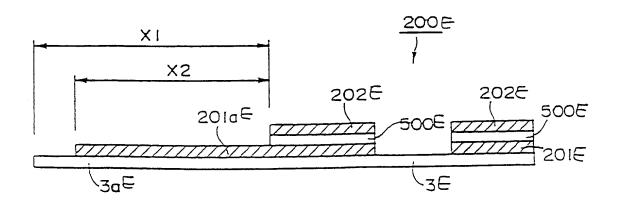
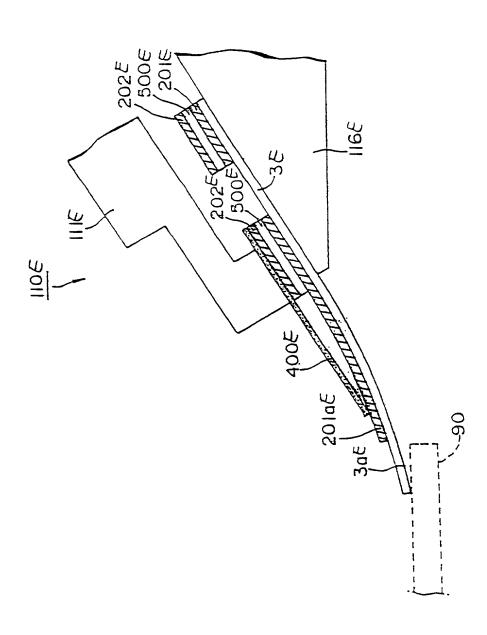


FIG. 32



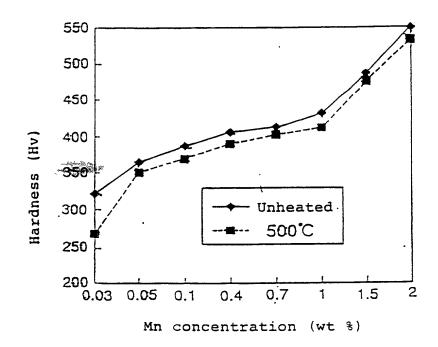
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>24</u> OF<u>84</u> :

FIG. 33



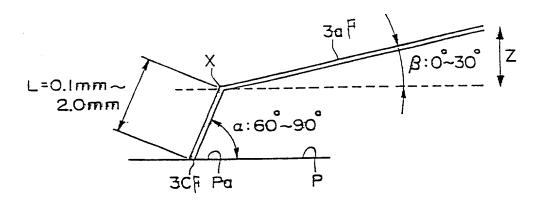
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>25</u> OF<u>84</u> :

Fig. 34



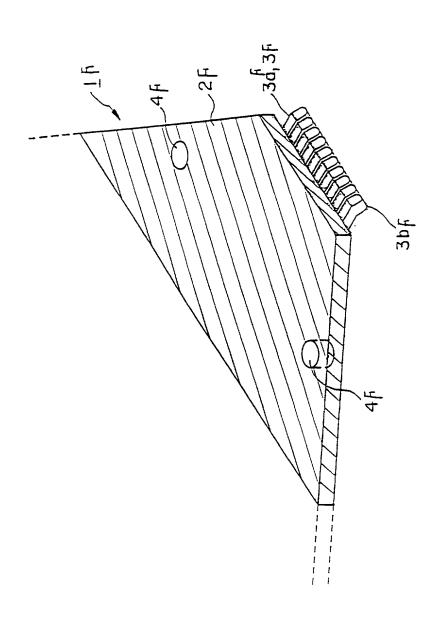
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>26</u> OF <u>84</u>

FIG. 35



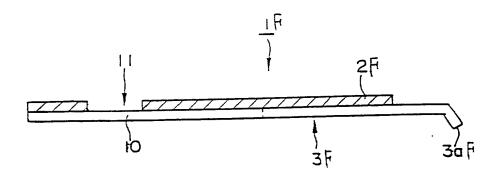
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>27</u> OF<u>84</u>

FIG. 36



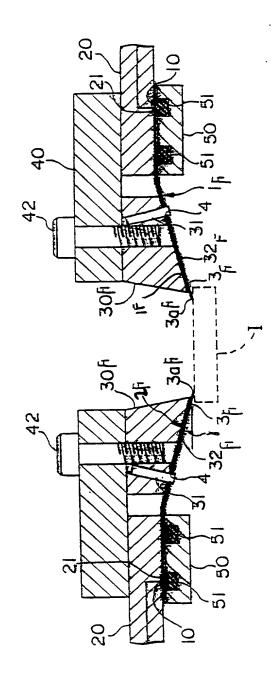
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>28</u> OF <u>84</u> :

FIG. 37



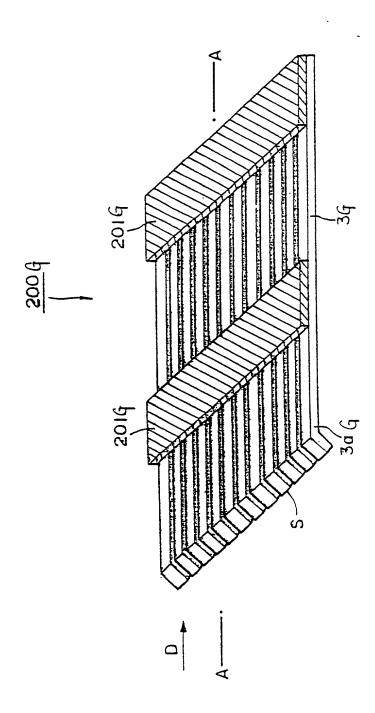
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 29 OF 84

FIG. 38



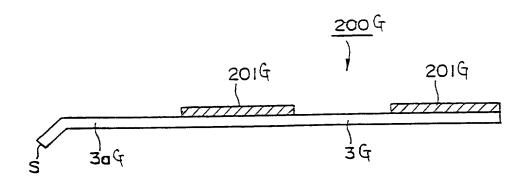
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>30</u> OF <u>84</u> :

FIG. 39



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 31_ OF_84_

FIG. 40



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 32 OF 84

FIG. 41

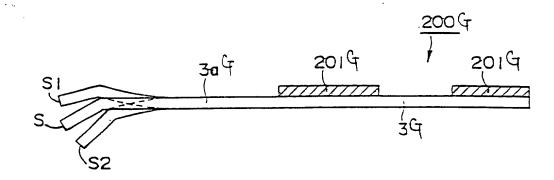
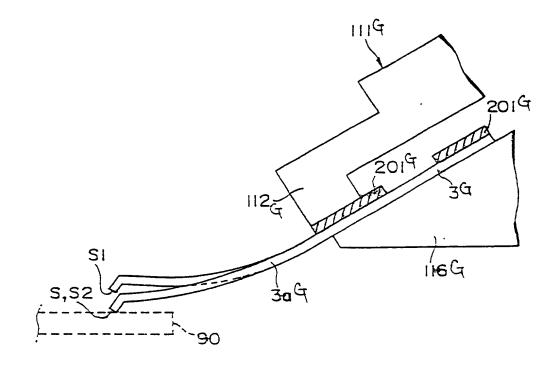
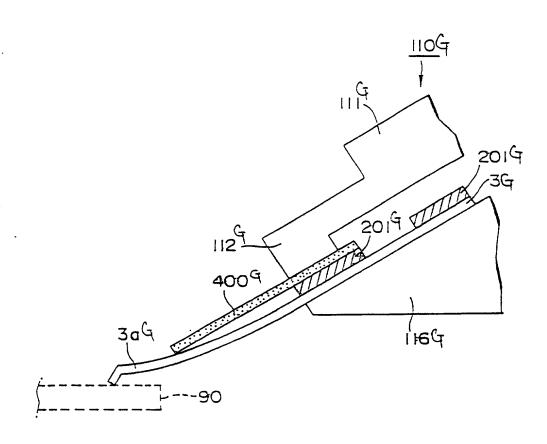


FIG. 42



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>33</u> OF <u>84</u>

FIG. 43



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 34_ OF_84______ :

FIG. 44

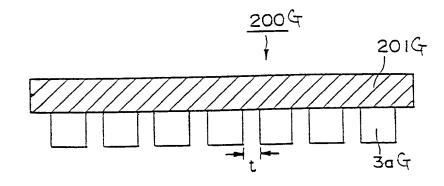
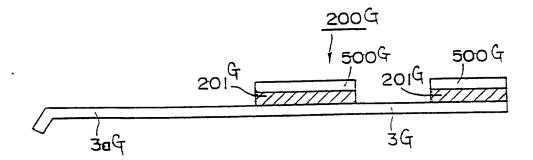
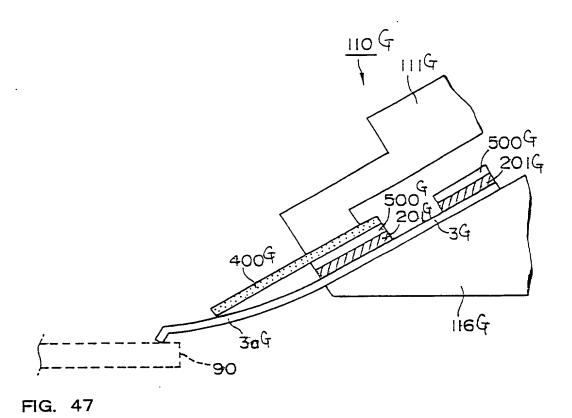


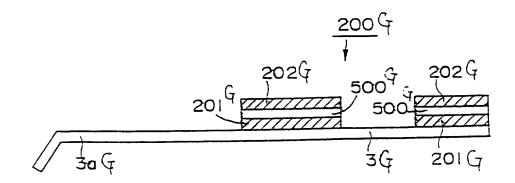
FIG. 45



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 35 OF 84

FIG. 46





OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>36</u> OF <u>84</u>

FIG. 48

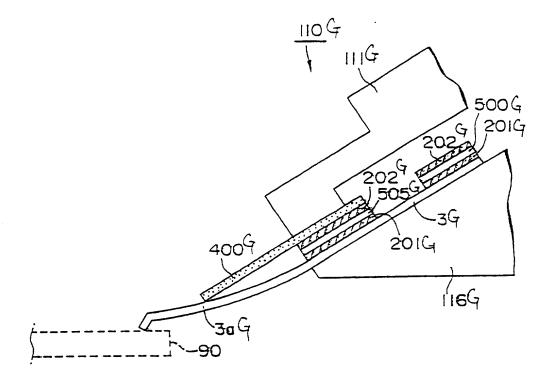
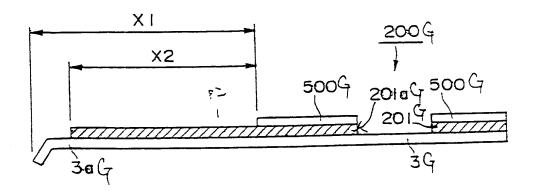


FIG. 49



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>37</u> OF <u>84</u>

FIG. 50

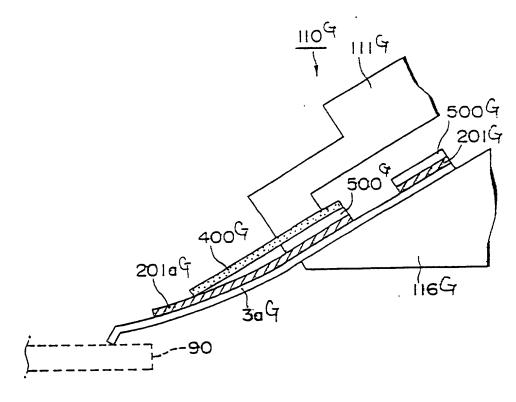
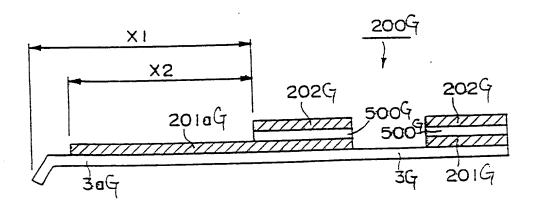
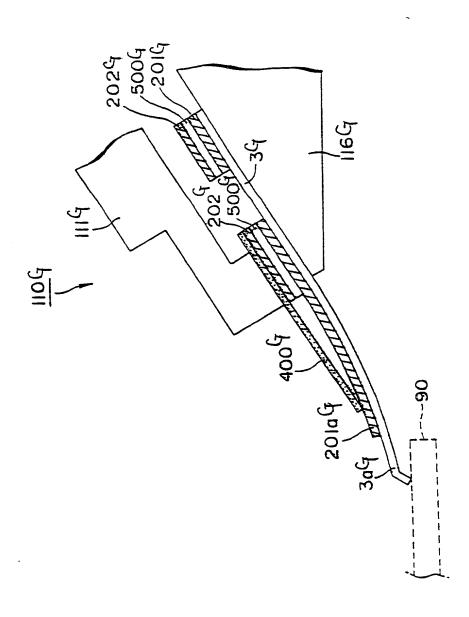


FIG. 51



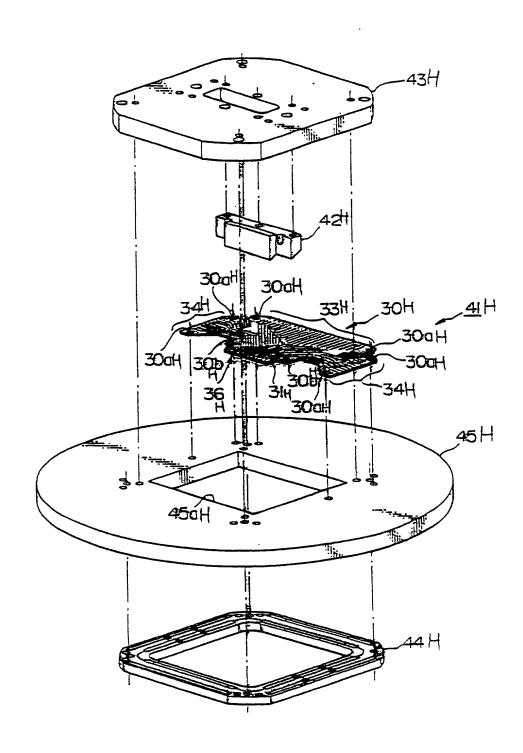
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>38</u> OF <u>84</u>

FIG. 52



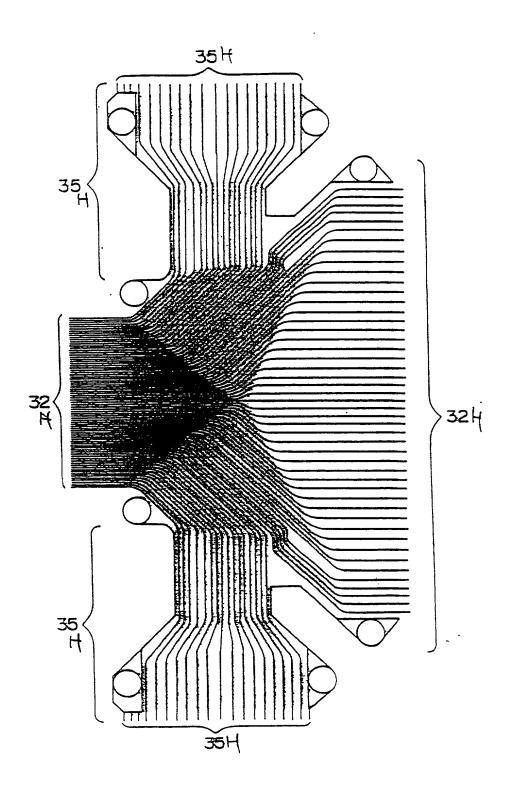
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 39 OF 84

FIG. 53



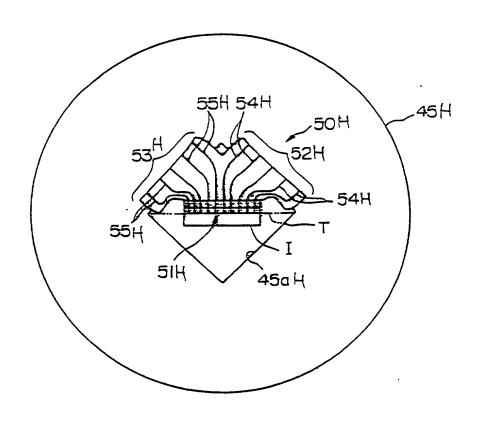
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 40 OF 84

FIG. 54



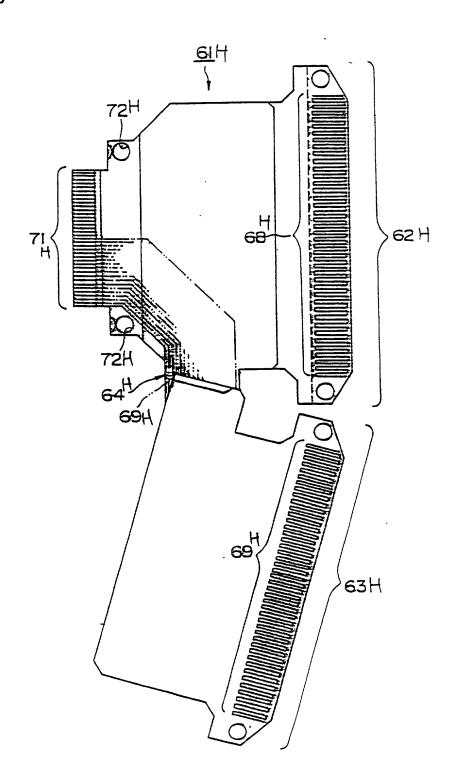
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 41 OF 84

FIG. 55



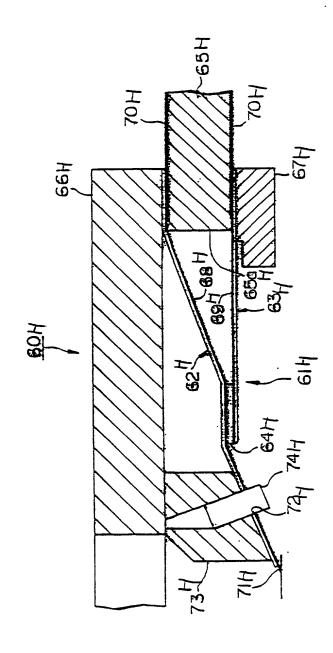
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 42 OF 84

FIG. 56



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 43 OF 84

FIG. 57



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 44 OF 84

FIG. 58

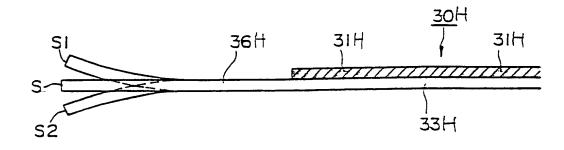
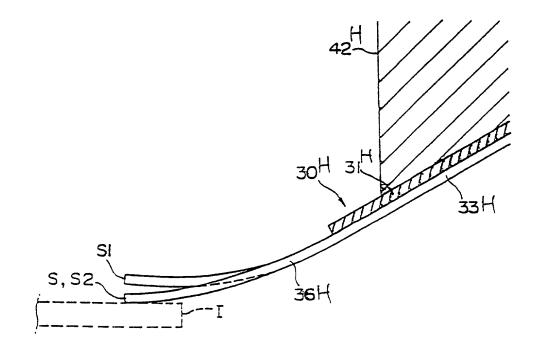


FIG. 59



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 45_ OF_84_

FIG. 60

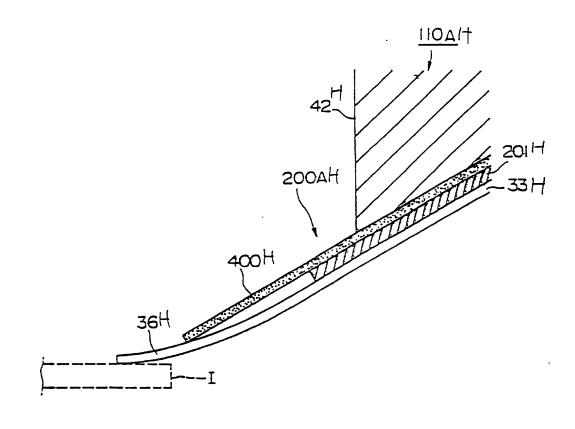
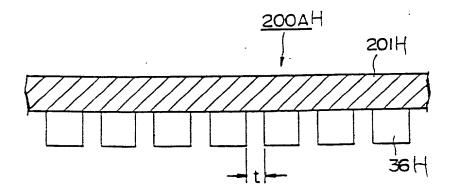


FIG. 61



ONLON, SPIVAK, ET AL OF SHEET AG OF SOSHIDA ET AL FIG. ₆5 FIG. රෙ \$0₀₄ \$00° 364 201 H 500 H ₹ ₹

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET _47__ OF__84__

FIG. 64

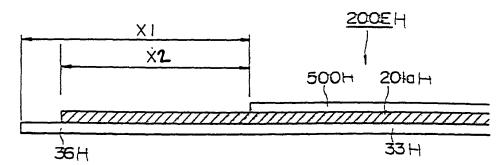
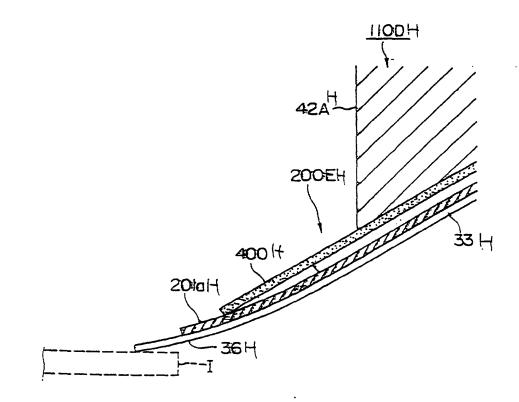
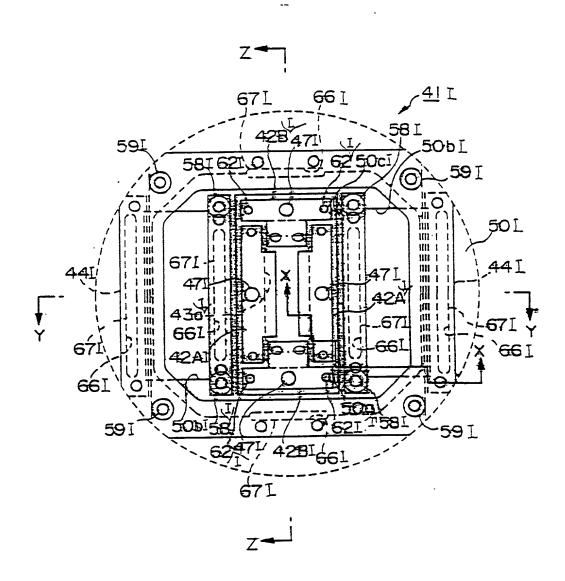


FIG. 65



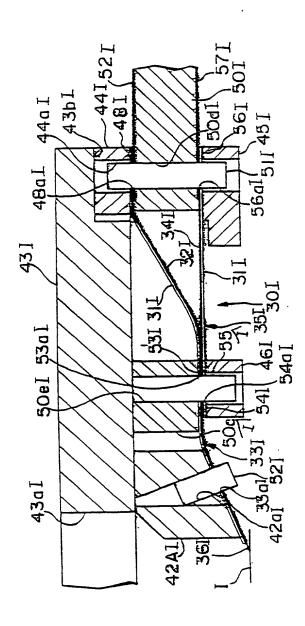
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>48</u> OF <u>84</u> :

FIG. 66



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 49 OF 84 :

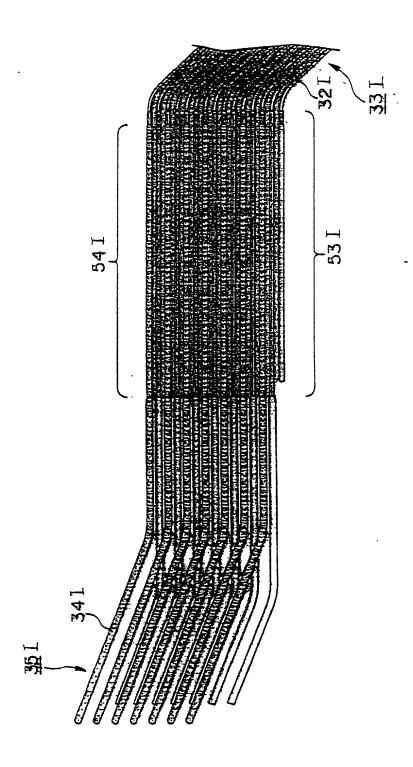
FIG. 67



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>50</u> OF <u>84</u>

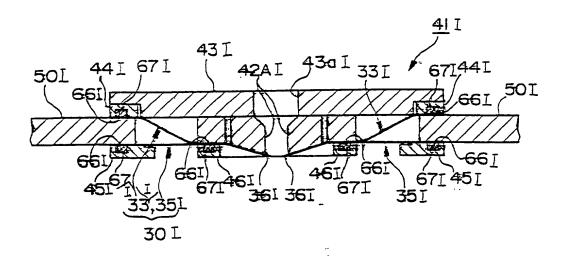
FIG. 68

:.



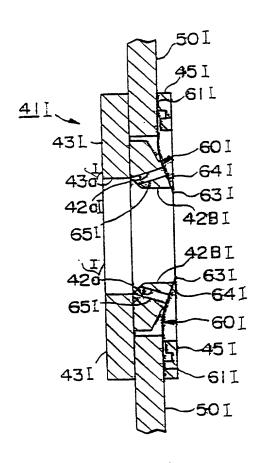
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 51 OF 84 :

FIG. 69



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>52</u> OF <u>84</u> :

FIG. 70



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>53</u> OF <u>84</u>

FIG. 71

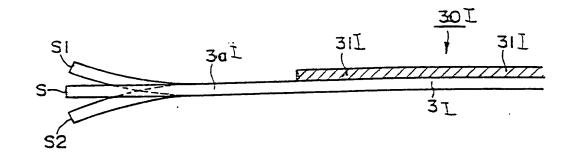
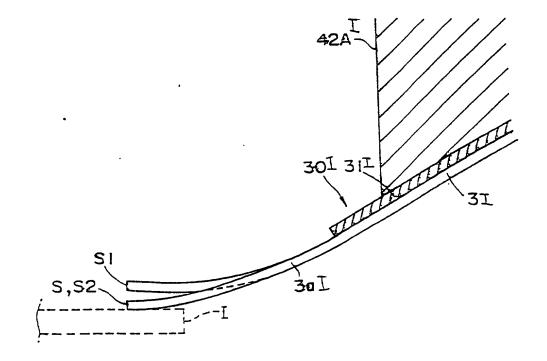


FIG. 72



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>54</u> OF <u>84</u>

FIG. 73

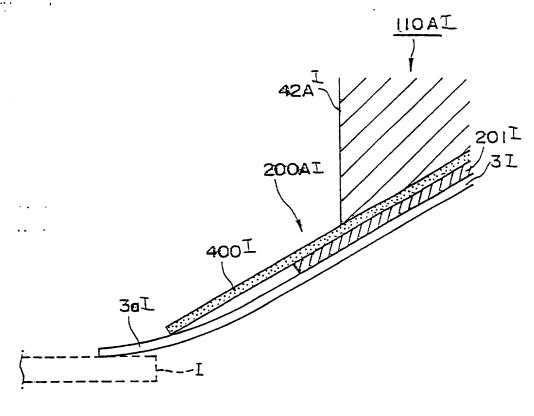
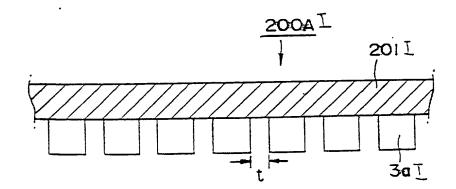


FIG. 74



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>55</u> OF <u>84</u> :

FIG. 75

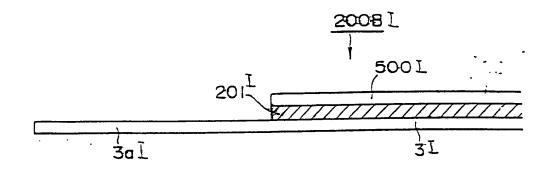
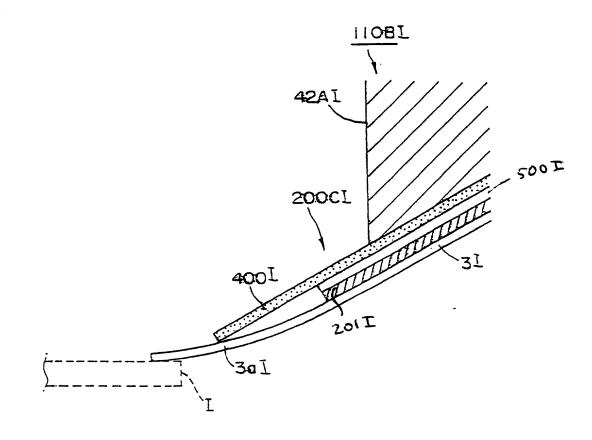


FIG. 76



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>56</u> OF <u>84</u>

FIG. 77

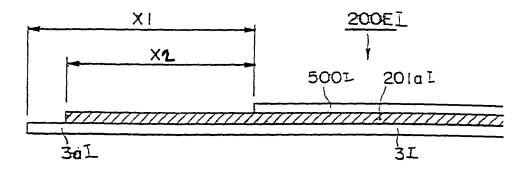
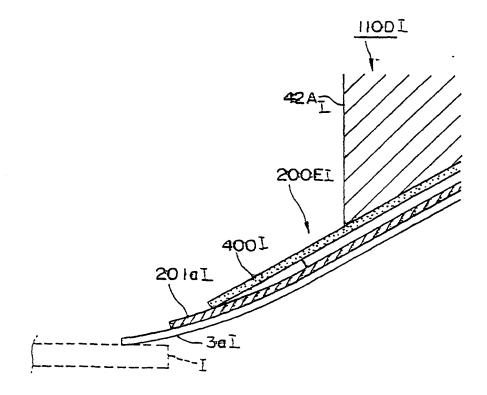


FIG. 78



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>57</u> OF <u>84</u>

FIG. 79

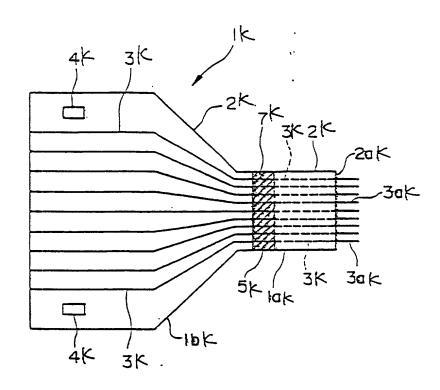
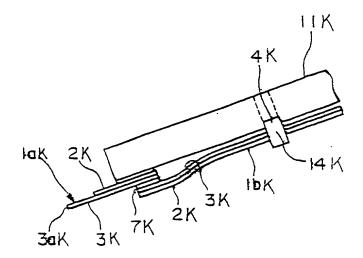


FIG. 80



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>58</u> OF <u>84</u> ...

FIG. 81

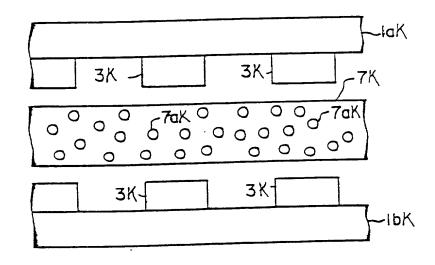
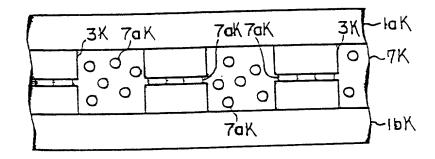
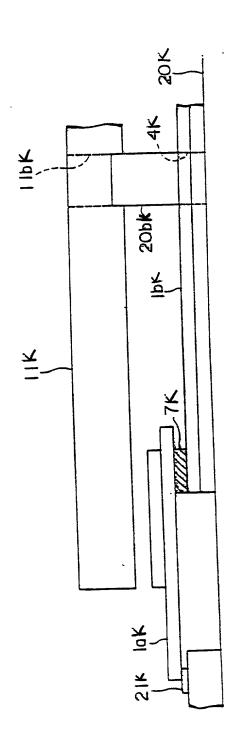


FIG. 82



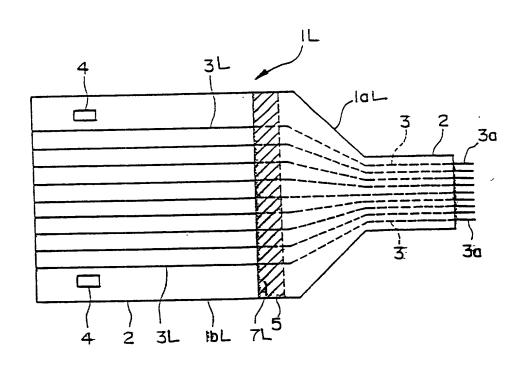
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>59</u> OF <u>84</u>

FIG. 83



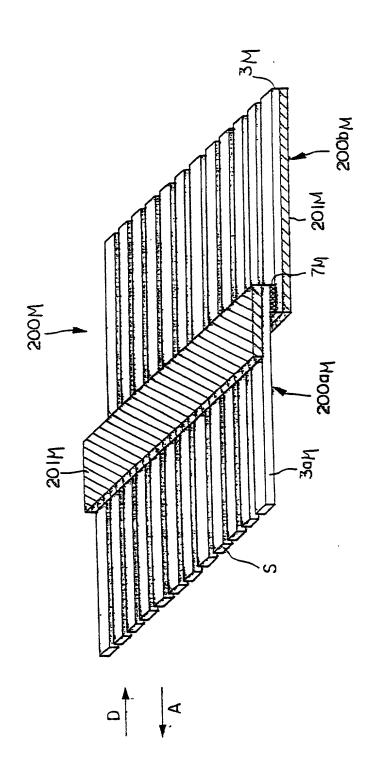
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>60</u> OF <u>84</u> :

FIG. 84



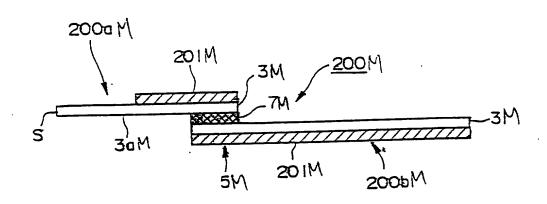
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>61</u> OF <u>84</u>

FIG. 85



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>62</u> OF <u>84</u> .

FIG. 86



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>63</u> OF <u>84</u>

FIG. 87

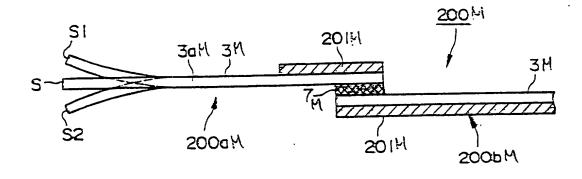
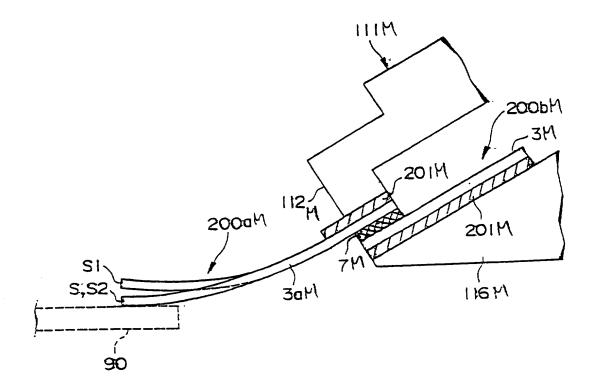
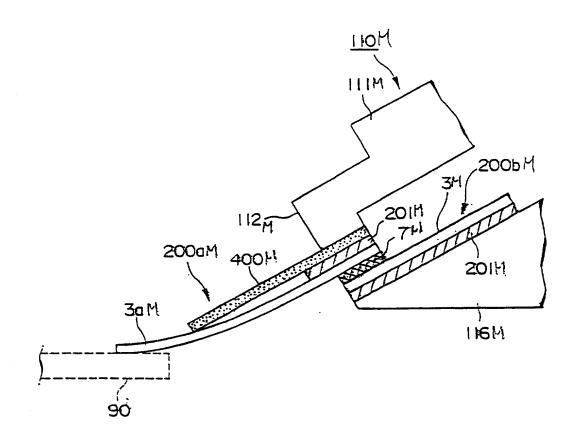


FIG. 88



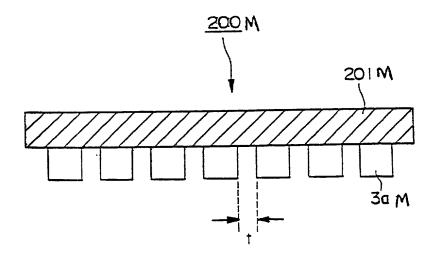
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 64 OF 84 :

FIG. 89



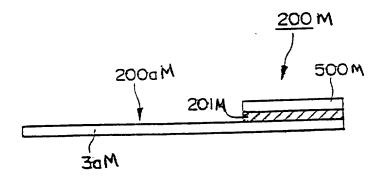
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>65</u> OF <u>84</u>

FIG. 90



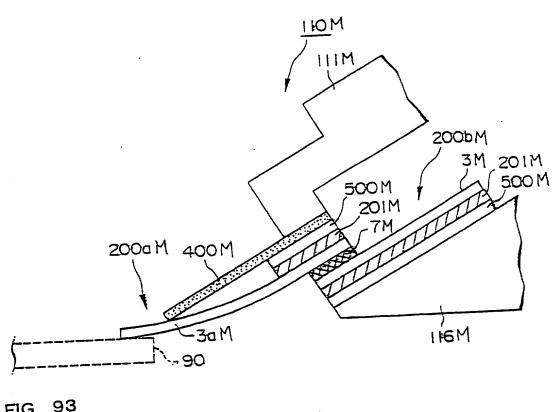
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>66</u> OF <u>84</u> .

FIG. 91



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>67</u> OF <u>84</u> :

FIG. 92



200 M 200 M 200 M 201 M 201 M 201 M 200 M 30 M 200 M 200 M 200 M

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>68</u> OF <u>84</u>

FIG. 94

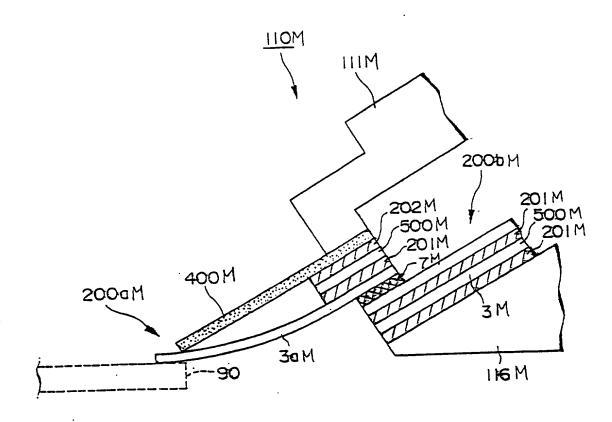
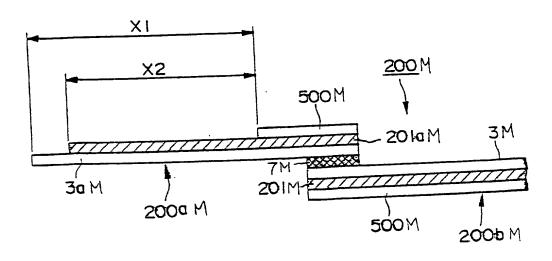


FIG. 95



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 69 OF 84

FIG. 96

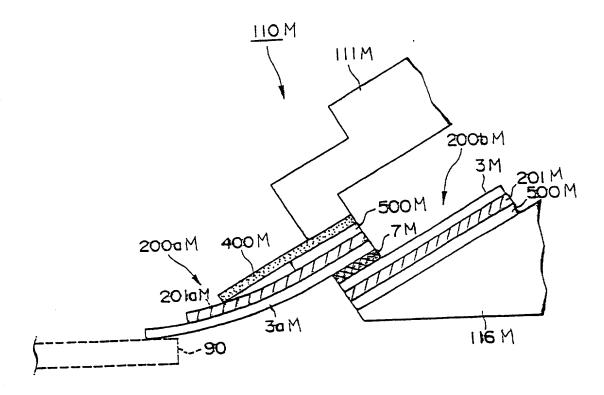
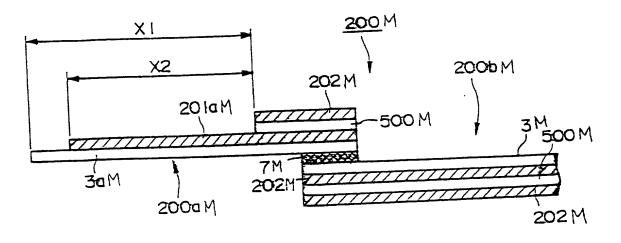


FIG. 97



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>70</u> OF <u>84</u> .

FIG. 98

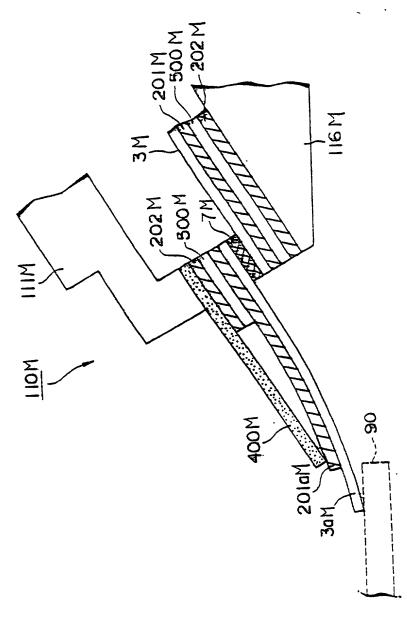
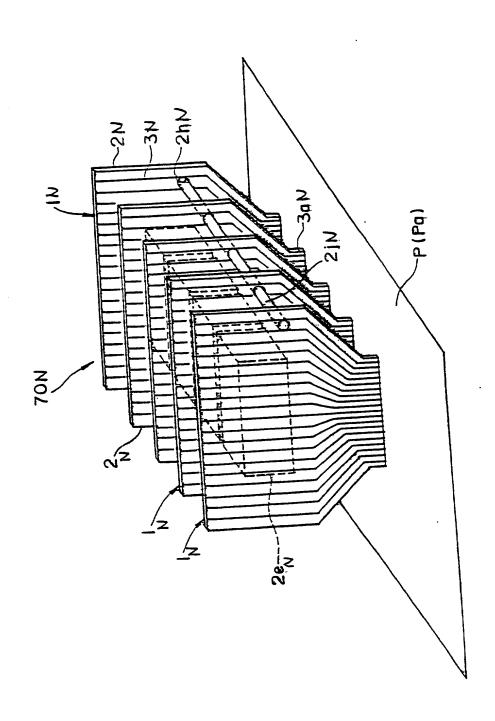


FIG. 99



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>72</u> OF <u>84</u>

Fig. 100

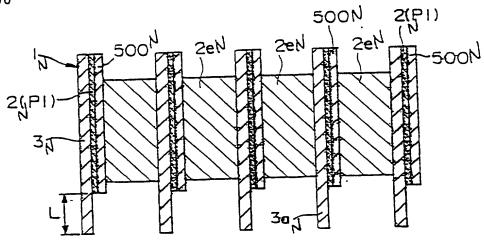
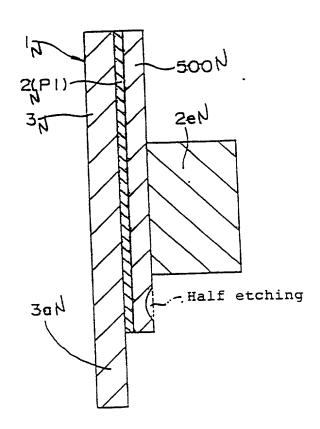
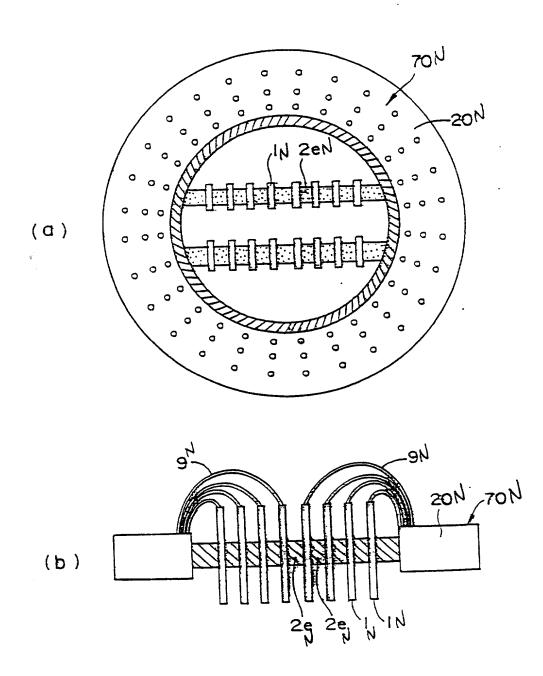


Fig. 101



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>73</u> OF <u>84</u>

FIG. 102



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>74</u> OF <u>84</u>

FIG. 103

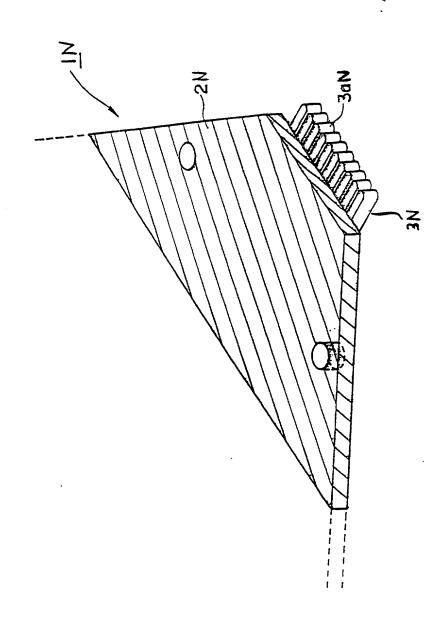


FIG. 104

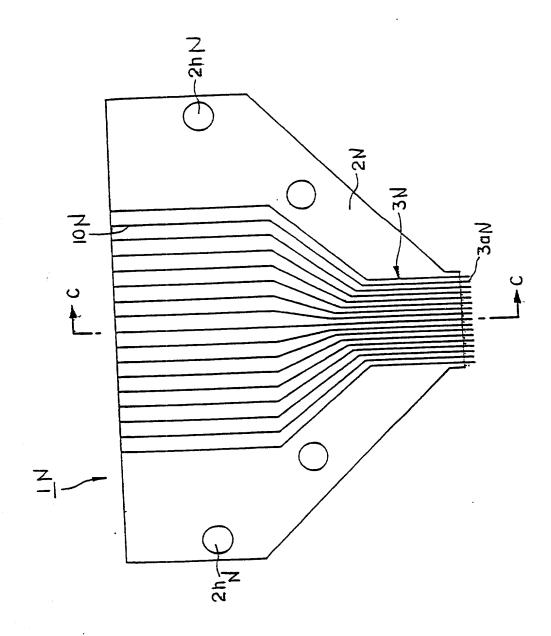


FIG. 105

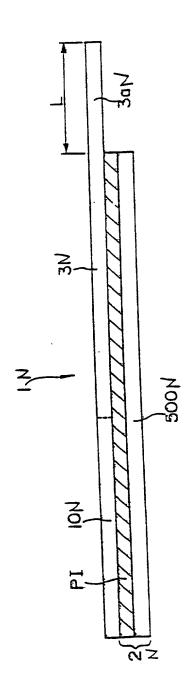
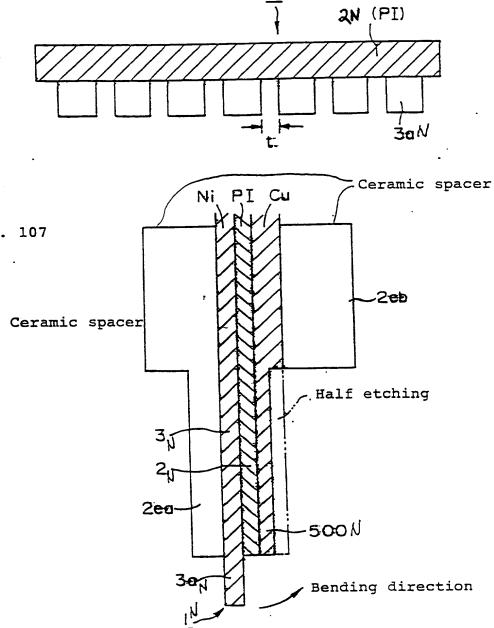


Fig. 107 Ceramic spacer

Fig. 106



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>78</u> OF <u>84</u>

FIG. 108

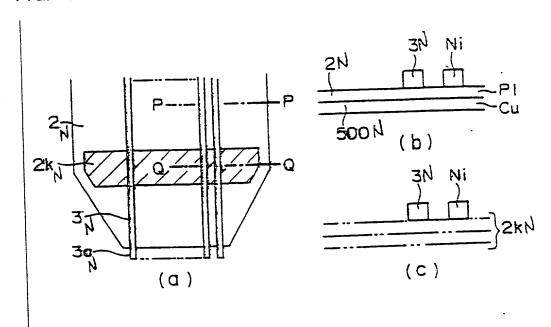
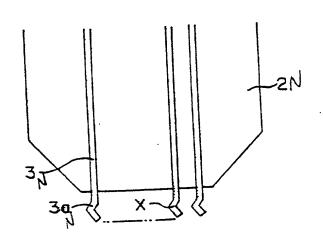
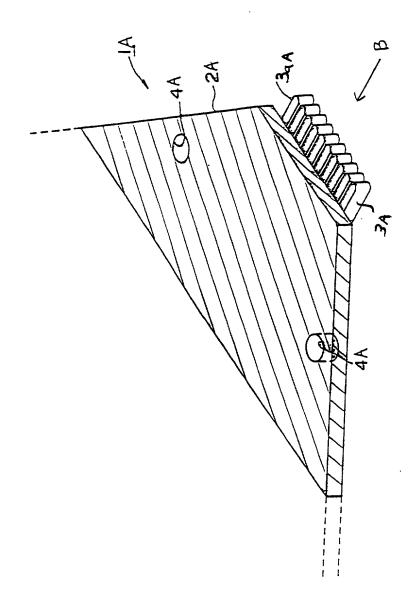


FIG. 109



OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>79</u> OF <u>84</u> :

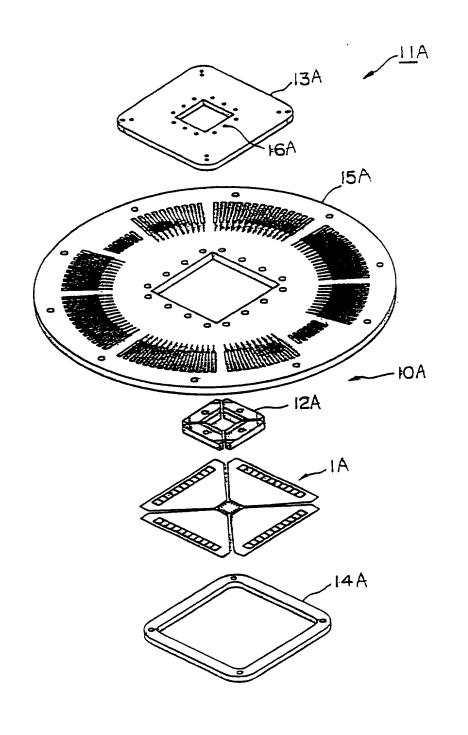
FIG. 110



Background Art

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>80</u> OF <u>84</u>

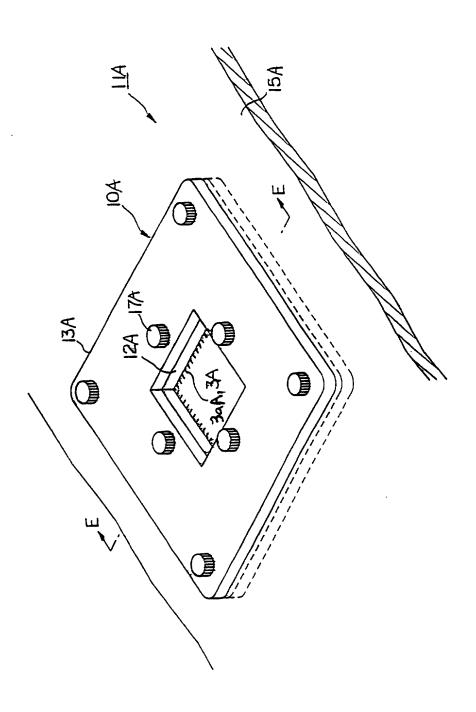
FIG. 111



Background Hr.

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>81</u> OF <u>84</u>

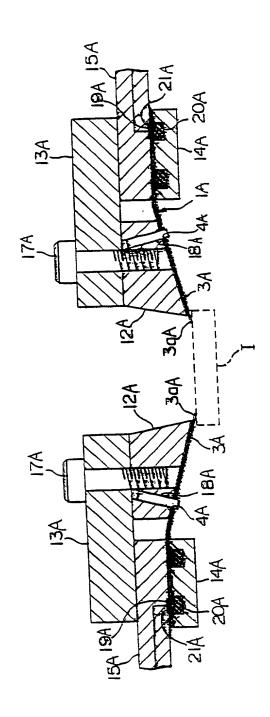
FIG. 112



Backwound Ar-

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET 82 OF 84

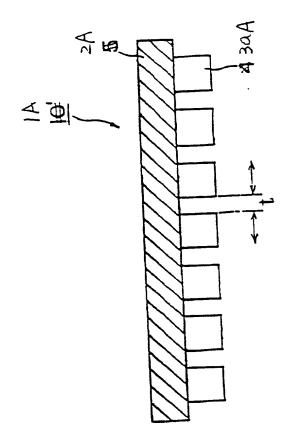
FIG. 113



Buckerpure Art

OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL SHEET <u>83</u> OF <u>84</u> :

FIG. 114

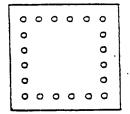


Background Art

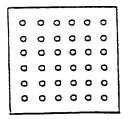
OBLON, SPIVAK, ET AL DOCKET #: 219891US-2 DIV INV: HIDEAKI YOSHIDA ET AL

SHEET <u>84</u> OF <u>84</u>

Fig. 115



Peripherally arranged terminals (a)



Planarly arranged terminals (b)

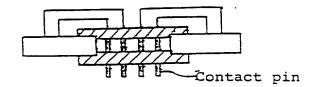
Arrangement of electrode terminals

Fig. 116



Horizontal needle type probe card

Fig. 117



Vertical needle type probe card

Background Hrt